Molecular and Cellular Biochemistry:

An International Journal for Chemical Biology in Health and Disease

CONTENTS VOLUME 275, Nos. 1 & 2, July 2005

Kanupriya, D. Prasad, M. Sai Ram, R. Kumar, R.C. Sawhney, S.K. Sharma, G. Ilavazhagan, D. Kumar and P.K. Banerjee: Cytoprotective and antioxidant activity of *Rhodiola imbricata* against *tert*-butyl hydroperoxide induced oxidative injury in U-937 human macrophages 1–6

R.K. Kempaiah, H. Manjunatha and K. Srinivasan: Protective effect of dietary capsaicin on induced oxidation of low-density lipoprotein in rats 7–13

R. Maniar, A. Pecherskaya, R. Ila and M. Solem: PKC alpha-dependent regulation of the IGF1 receptor in adult and embryonic rat cardiomyocytes 15–24

J.-P. Gagné, P. Gagné, J.M. Hunter, M.-È. Bonicalzi, J.-F. Lemay, I. Kelly, C. Le Page, D. Provencher, A.-M. Mes-Masson, A. Droit, D. Bourgais and G.G. Poirier: Proteome profiling of human epithelial ovarian cancer cell line TOV-112D 25–55

P.F. O'Tierney, E. Angelis, M.Y. Tse, J.J. Pang, M.A. Adams and S.C. Pang: A potential role for the endothelin ET_A receptor in salt-sensitive hypertension of the *proANP* gene-disrupted mouse 57–66

S.K. Gupta, A. Saxena, U. Singh and D.S. Arya: Bosentan, the mixed ET_A–ET_B endothelin receptor antagonist, attenuated oxidative stress after experimental myocardial ischemia and reperfusion 67–74

J. Lin, M.T. Friesen, P. Bocangel, D. Cheung, K. Rawszer and J.T. Wigle: Characterization of Mesenchyme Homeobox 2 (MEOX2) transcription factor binding to RING finger protein 10 75–84

V. Dhawan and S. Jain: Garlic supplementation prevents oxidative DNA damage in essential hypertension 85–94

D. Gaur and J.K. Batra: Role of aspartic acid 121 in human pancreatic ribonuclease catalysis 95–101

K. Ohguchi, Y. Akao and Y. Nozawa: Involvement of calpain in melanogenesis of mouse B16 melanoma cells 103–107

I.P. Lopez, F.I. Milagro, A. Marti, M.J. Moreno-Aliaga, J.A. Martinez and C. De Miguel: High-fat feeding period affects gene expression in rat white adipose tissue 109–115

M. Balasubramanyam, R. Sampathkumar and V. Mohan: Is insulin signaling molecules misguided in diabetes for ubiquitin–proteasome mediated degradation? 117–125

H. Ishigamori, M. Hosokawa, H. Kohno, T. Tanaka, K. Miyashita and K. Takahashi: Docosahexaenoic acid-containing phosphatidylethanolamine enhances HL-60 cell differentiation by regulation of c-*jun* and c-*myc* expression 127–133

S. Vasdev, V. Gill, S. Parai and V. Gadag: Dietary lipoic acid supplementation attenuates hypertension in Dahl salt sensitive rats 135–141

A.R. Marita, J.A. Sarkar and S. Rane: Type 2 diabetes in non-obese Indian subjects is associated with reduced leptin levels: Study from Mumbai, Western India 143–151

C. Vasant, S. Sankaramanivel, M. Jana, R. Rajaram and T. Ramasami: Non-enzymatic phosphorylation of bovine serum albumin by Cr(V) complexes: Role in Cr(VI)-induced phosphorylation and toxicity 153–164

C.W.H. Woo, R.Y.K. Man, Y.L. Siow, P.C. Choy, E.W.Y. Wan, C.S. Lau and K. O: *Ganoderma lucidum* inhibits inducible nitric oxide synthase expression in macrophages 165–171

À. Cabrero, M. Cubero, G. Llaverías, M. Alegret, R. Sánchez, J.C. Laguna and M. Vázquez-Carrera: Leptin down-regulates peroxisome proliferator-activated receptor γ (PPARγ) mRNA levels in primary human monocyte-derived macrophages 173–179

J. Lu, J. Zhang, E.R. Block and J.M. Patel: Angiotensin IV enhances phosphorylation of 4EBP1 by multiple signaling events in lung endothelial cells 181–188

O. Daman, J. Wallace, F. Harris and D.A. Phoenix: An investigation into the ability to define transmembrane protein spans using the biophysical properties of amino acid residues 189–197

M. Takagi, F. Suto, T. Suga and J. Yamada: Sterol Regulatory Element-Binding Protein-2 modulates human brain acyl-CoA hydrolase gene transcription 199–206

J. Pawlak, J. Singh, R.W. Lea and K. Skwarlo-Sonta: Effect of melatonin on phagocytic activity and intracellular free calcium concentration in testicular macrophages from normal and streptozotocin-induced diabetic rats 207–213

T. Wen, H. Li, H. Song, F. Chen, C. Zhao, W. Lu, K. Bao and Y. Jin: Down-regulation of specific gene expression by double-strand RNA induces neural stem cell differentiation *in vitro* 215–221

N. Kamal, S. Chowdhury, T. Madan, D. Sharma, M. Attreyi, W. Haq, S.B. Katti, A. Kumar and P.U. Sarma: Tryptophan residue is essential for immunoreactivity of a diagnostically relevant peptide epitope of *A. fumigatus* 223–231

T.L. Hilder, G.M. Carlson, T.A.J. Haystead, E.G. Krebs and L.M. Graves: Caspase-3 dependent cleavage and activation of skeletal muscle phosphorylase b kinase 233–242

Index to Volume 275 243–245

Instructions for Authors 247

Available online

www.springerlink.com